

ABSTRACT OF THE DISCLOSURE

A torque detector that suppresses fluctuation of an output value relative to fluctuation of an input value and
5 that also has the output value accurately follow the input value even when the input value changes suddenly. The torque detector includes a detection element, a converter, and a hysteresis processor. The detection element detects the steering torque applied to a steering shaft when the
10 steering shaft is rotated to generate an analog torque signal corresponding to the steering torque. The converter converts the analog torque signal to a digital torque signal. The hysteresis processor performs hysteresis processing on the digital torque signal to include the value
15 of the digital torque signal in a predetermined range.